

Title (en)
NEEDLE SAFETY DEVICE WITH TORTUOUS PATH

Title (de)
NADELSCHUTZVORRICHTUNG MIT GEWUNDENEM PFAD

Title (fr)
DISPOSITIF DE SECURITE POUR AIGUILLE AVEC TRAJET SINUEUX

Publication
EP 1418961 A4 20090318 (EN)

Application
EP 02749906 A 20020712

Priority

- US 0221819 W 20020712
- US 92086001 A 20010803

Abstract (en)
[origin: US2003028152A1] A prepackaged safety needle device has fitted to a holder a double-ended needle assembly and a needle protection housing pivotally connected to the neck of the housing. The hub of the double-ended needle is mated to the neck of the holder. A circumferential sleeve extending from the neck of the holder envelops the hub so that when the needle that extends away from the holder is capped by a sheath, the lower portions of the sheath would coact with the sleeve to form a relatively tight fit. The configurations of the sleeve and the sheath with respect to the needle hub, at their respective interacting portions are such that a tortuous path is established which allows sterilizing gas to pass into the space capped by the sheath, but yet prevents bacteria or other contaminants from intruding into the space. The opening at the end of the holder away from the needle assembly is sealed by a porous cover that allows sterilizing gas to pass into the interior of the holder while acting as a barrier to prevent bacteria from entering into the holder. Thus, configured, the prepackaged device is a convenient to use device that remains sterile until use.

IPC 8 full level
A61M 5/32 (2006.01); **A61B 5/15** (2006.01)

CPC (source: EP US)
A61B 5/15003 (2013.01 - EP US); **A61B 5/150328** (2013.01 - EP US); **A61B 5/150389** (2013.01 - EP US); **A61B 5/150473** (2013.01 - EP US); **A61B 5/150572** (2013.01 - EP US); **A61B 5/150671** (2013.01 - EP US); **A61B 5/150717** (2013.01 - EP US); **A61B 5/150732** (2013.01 - EP US); **A61B 5/154** (2013.01 - EP US); **A61M 5/3216** (2013.01 - EP US)

Citation (search report)

- [XY] US 5030209 A 19910709 - WANDERER ALAN A [US], et al
- [Y] WO 9819723 A1 19980514 - SPECIALIZED HEALTH PROD INC [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
US 2003028152 A1 20030206; US 7670318 B2 20100302; AU 2002320391 A1 20030224; CA 2456057 A1 20030220; CA 2456057 C 20100601; EP 1418961 A2 20040519; EP 1418961 A4 20090318; EP 1418961 B1 20160413; MX PA04001070 A 20040520; WO 03013626 A2 20030220; WO 03013626 A3 20040325

DOCDB simple family (application)
US 92086001 A 20010803; AU 2002320391 A 20020712; CA 2456057 A 20020712; EP 02749906 A 20020712; MX PA04001070 A 20020712; US 0221819 W 20020712